

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/552,914  
Source: PCT  
Date Processed by STIC: 06/06/2006

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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/552,914

DATE: 06/06/2006

TIME: 10:22:32

Input Set : A:\14017-009US1.txt  
 Output Set: N:\CRF4\06062006\J552914.raw

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4 <110> APPLICANT: Clawson, Gary A.
5   Pan, Wei-Hua
6   Xin, Ping
8 <120> TITLE OF INVENTION: RNA Interference Compositions and
9   Methods
11 <130> FILE REFERENCE: 14017/009US1
13 <140> CURRENT APPLICATION NUMBER: US 10/552,914
14 <141> CURRENT FILING DATE: 2005-10-13
16 <150> PRIOR APPLICATION NUMBER: PCT/US2004/005400
17 <151> PRIOR FILING DATE: 2004-02-23
19 <150> PRIOR APPLICATION NUMBER: 60/449,066
20 <151> PRIOR FILING DATE: 2003-02-21
22 <160> NUMBER OF SEQ ID NOS: 55
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26 <210> SEQ ID NO: 1
27 <211> LENGTH: 19
28 <212> TYPE: DNA
29 <213> ORGANISM: Human papillomavirus
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37 <213> ORGANISM: Human papillomavirus
39 <400> SEQUENCE: 2
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42 <210> SEQ ID NO: 3
43 <211> LENGTH: 19
44 <212> TYPE: DNA
45 <213> ORGANISM: Human papillomavirus
47 <400> SEQUENCE: 3
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51 <211> LENGTH: 19
52 <212> TYPE: DNA
53 <213> ORGANISM: Human papillomavirus
55 <400> SEQUENCE: 4
56 aacuguggua acuuuccgg                                         19
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59 <211> LENGTH: 21
60 <212> TYPE: DNA
61 <213> ORGANISM: Human papillomavirus
63 <400> SEQUENCE: 5

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64	guuaccacag uuaugcacag a	21
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67	<211> LENGTH: 21	
68	<212> TYPE: DNA	
69	<213> ORGANISM: Human papillomavirus	
71	<400> SEQUENCE: 6	
72	ucugugcaua acugugguaa c	21
74	<210> SEQ ID NO: 7	
75	<211> LENGTH: 11	
76	<212> TYPE: DNA	
77	<213> ORGANISM: Artificial Sequence	
79	<220> FEATURE:	
80	<223> OTHER INFORMATION: Cassette	
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85	<210> SEQ ID NO: 8	
86	<211> LENGTH: 9	
87	<212> TYPE: DNA	
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94	uucaagacc	9
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97	<211> LENGTH: 19	
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105	<211> LENGTH: 21	
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112	<210> SEQ ID NO: 11	
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131 actgagatct ttttctaga	139
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139 <223> OTHER INFORMATION: Cassette	
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143 tgtaactt ccgggttac ggagaattct ccgtcctgat gagtccggcc ggacgaaacc	120
144 cgaagatct ttttctaga	139
146 <210> SEQ ID NO: 14	
147 <211> LENGTH: 139	
148 <212> TYPE: DNA	
149 <213> ORGANISM: Artificial Sequence	
151 <220> FEATURE:	
152 <223> OTHER INFORMATION: Cassette	
154 <400> SEQUENCE: 14	
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157 tgtgagatct ttttctaga	139
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161 <212> TYPE: DNA	
162 <213> ORGANISM: Artificial Sequence	
164 <220> FEATURE:	
165 <223> OTHER INFORMATION: Cassette	
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172 <210> SEQ ID NO: 16	
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175 <213> ORGANISM: Artificial Sequence	
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178 <223> OTHER INFORMATION: Cassette	
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182 cggcctcaga tccccagaaa gttaccacag ttgttaattt atccgtcgac ggatgttagat	120
183 ccgtcctgat gagtccgtga ggacgaaacg gatctgcagc ggatgtatct ttttctaga	178
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186 <211> LENGTH: 178	
187 <212> TYPE: DNA	
188 <213> ORGANISM: Artificial Sequence	
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194 ggatcagctt cgagctctga tgagtccgtg aggacgaaac ggtacccggt accgtcagct	60
195 cgacctcaga tccaaactgtg gtaactttct gggtaattg atccgtcgac ggatgttagat	120
196 ccgtcctgat gagtcgtga ggacgaaacg gatctgcagc ggatgatctt tttctaga	178
198 <210> SEQ ID NO: 18	
199 <211> LENGTH: 21	
200 <212> TYPE: DNA	
201 <213> ORGANISM: Human papillomavirus	
203 <400> SEQUENCE: 18	
204 tttggagcta ctgtggagtt a	21
206 <210> SEQ ID NO: 19	
207 <211> LENGTH: 139	
208 <212> TYPE: DNA	
209 <213> ORGANISM: Artificial Sequence	
211 <220> FEATURE:	
212 <223> OTHER INFORMATION: Cassette	
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216 gctactgtgg agttattgtac ggagaattct ccgtcctgat gagtcggcc ggacgaaata	120
217 actcagatct ttttctaga	139
219 <210> SEQ ID NO: 20	
220 <211> LENGTH: 139	
221 <212> TYPE: DNA	
222 <213> ORGANISM: Artificial Sequence	
224 <220> FEATURE:	
225 <223> OTHER INFORMATION: Cassette	
227 <400> SEQUENCE: 20	
228 aagcttggag ttactgatga gtccaaattgg acgaaacggt actcgagttac cgtctaactc	60
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230 tggaaagatct ttttctaga	139
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233 <211> LENGTH: 183	
234 <212> TYPE: DNA	
235 <213> ORGANISM: Artificial Sequence	
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238 <223> OTHER INFORMATION: Cassette	
240 <400> SEQUENCE: 21	
241 ggatccttc gggctgatga gtccaaattgg acgaaacgtac gacattctgg tactcgagta	60
242 ccagaatgtc atcgccccca gaaagttacc acagttgttgc agcgcaacga cgccggagaat	120
243 tctccgcgtc gttgcgtcc tgatgatcc ggccggacga aacaactgag atcttttct	180
244 aga	183
246 <210> SEQ ID NO: 22	
247 <211> LENGTH: 183	
248 <212> TYPE: DNA	
249 <213> ORGANISM: Artificial Sequence	
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254 <400> SEQUENCE: 22	
255 ggatccacag ttgctgatga gtccaaattgg acgaaacgtac gacattctgg tactcgagta	60
256 ccagaatgtc atcgccaaac tgtggtaact ttctgggttgc agcgcaacga cgccggagaat	120

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257	tctccgcgtc	gttgcgtcc	tgtgagtcc	ggccggacga	aacccagaag	atcttttct	180
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263	<213>	ORGANISM:	Artificial Sequence				
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266	<223>	OTHER INFORMATION:	Cassette				
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269	ggatcatcca	gctttggAAC	cctgatgagt	ccgtgaggac	gaaacgatga	cattctgctg	60
270	accagattca	cggtcacGAG	aatgtcatcg	tcggttccAG	gatccccAGA	aagttaccAC	120
271	agttgttaat	tccaaGGGTC	tgcgcAACGA	cgacgatgAG	gtaccacATC	gtcgTCgttG	180
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281	<223>	OTHER INFORMATION:	Cassette				
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285	accagattca	cggtcacGAG	aatgtcatcg	tcggttccAG	gatccaaCTG	tggtaacttt	120
286	ctgggttaat	tccaaGGGTC	tgcgcAACGA	cgacgatgAG	gtaccacATC	gtcgTCgttG	180
287	cgcactgatG	aggccgtGAG	gccgaaACCC	ttgacgcgtt	cctatgcggc	cgctctAGGA	240
288	tcttttcta	ga					252
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300	aagttaccac	agttgttGAC	ggagaatttC	ccgtcctgtat	gagtccGgCC	ggacgaaACA	120
301	actgagatcc	acagtGCTG	atgagtccAA	ttggacgAAA	cggtaCTCGA	gtaccgtCCA	180
302	actgtggtaa	cTTCCGGGT	tgacggagAA	ttctccgtcc	tgtgagtcc	ggccggacGA	240
303	aacccGGAAG	atcttttct	aga				263
305	<210>	SEQ ID NO:	26				
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308	<213>	ORGANISM:	Artificial Sequence				
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315	ccacagttat	gcacagAGTT	gacggagaAT	tctccgtcCT	gatgagtCCG	gccggacGAA	120
316	atctgtgaga	tccgcacAGA	gctgatgAGT	ccaattggAC	gaaacggTAC	tcgagtaccG	180
317	tcctctgtgc	ataactgtgg	taacggttGAC	ggagaatttC	ccgtcctgtat	gagtccGGCC	240

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